414(f), the amortization must end with the 20th plan year instead of the 15th.

(3) *Annual amortization amount.* The shortfall gain or loss must be amortized in equal annual installments. The total amount to be amortized must be adjusted for interest at the rate used for determining the plan's normal cost.

(4) *Shortfall gain or loss under spread gain type of funding method*—(i) *In general.* A spread gain type of funding method spreads experience gains and losses over future periods as part of a plan's normal cost. (Examples of spread gain types of funding methods are the aggregate cost method, the frozen initial liability method, and the attained age normal method.) However, a shortfall gain or loss is not an experience gain or loss. Therefore, a plan using a spread gain type of funding method together with the shortfall method must amortize shortfall gains and losses and otherwise meet the requirements of paragraph (g) of this section.

(ii) *Asset adjustment for aggregate method.* A plan using the shortfall method with the aggregate cost method of funding must adjust its plan assets for a shortfall gain or loss in calculating normal cost. The unamortized portion of any shortfall gain is subtracted from plan assets. The unamortized portion of any shortfall loss is added to plan assets.

(5) *Reconciliation of shortfall gain or loss with funding standard account.* At the beginning of each year, the actual unfunded liability under the method used by the plan must equal the outstanding balance of all amortization bases, including bases for shortfall gains and losses, less the credit balance under the funding standard account at the end of the prior year.

(6) *Example.* This paragraph is illustrated by the following examples:

Example (1). A multiemployer plan described in section 414 (f) is maintained with the calendar year as the plan year and uses the shortfall method. The plan uses the frozen initial liability funding method. A five percent interest assumption is used by the plan, with payments computed as of the first day of each plan year for all items. The expiration dates of contracts in effect during plan years 1976, 1977, and 1978 are such that the amortization of gains or losses for each year must begin in the fifth following plan year. The assumed plan costs and estimated base units for selected years, and the computations under this section which follow from such assumptions are shown in the following table. In the table, ''*'' denotes an assumed item. The remaining figures have been calculated on the basis of these assumptions.

(A) COMPUTATION OF NET SHORTFALL CHARGE AND SHORTFALL GAIN OR LOSS

Plan year	1976	1977	1978
1. Normal cost* ..	$100,000	$100,000	$100,000
2. Amortization of unfunded liability*	50,000	50,000	50,000
3. Total annual computation charges	$150,000	$150,000	$150,000
4. Estimated base units*	100,000	100,000	100,000
5. Estimated unit charge (line 3÷line 4)	$1.50	$1.50	$1.50
6. Actual units during year*	80,000	90,000	110,000
7. Net shortfall charge for year (line 5×line 6) ..	120,000	135,000	165,000
8. Shortfall (gain) or loss (line 3 − line 7)	30,000	15,000	($15,000)

(B) ANNUAL AMORTIZATION AMOUNT

9. Year of shortfall gain or loss	1976	1977	1978
10. First year of amortization	1981	1982	1983
11. Last year of amortization	1996	1997	1998
12. (Gain) or loss adjusted for interest to year amortization begins (1–1–76 to 1–1–81, etc.)	$38,288	$19,144	($19,144)
13. Annual amortization (16 years)	$3,364	$1,682	($1,682)

(C) COMPUTATION OF NET SHORTFALL CHARGES FOR SELECTED YEARS (INCLUDING SHORTFALL AMORTIZATION)

Plan year	1981	1982	1983
14. Normal cost*	$120,000	$125,000	$130,000
15. Amortization of unfunded liability*	50,000	50,000	50,000
16. Shortfall amortization (see line 13) from:			
1976	3,364	3,364	3,364
1977	.....	1,682	1,682
1978	.....	.....	(1,682)
17. Total annual computation charges	173,364	180,046	183,364

(C) COMPUTATION OF NET SHORTFALL CHARGES FOR SELECTED YEARS (INCLUDING SHORTFALL AMORTIZATION)—Continued

Plan year	1981	1982	1983
18. Estimated base units*	110,000	110,000	110,000
19. Estimated unit charge (line 17÷line 18)	1.576	1.637	1.667
20. Actual units during year*	105,000	110,000	105,000
21. Net shortfall charge for year (line 19×line 20)	165,480	180,070	175,035
22. Shortfall (gain) loss (line 17 − line 21)	7,884	(24)	8,329

The amounts in line 22 will be amortized beginning 1986, 1987, and 1988, respectively. The $24 gain in 1982 results from rounding the estimated unit charge.

Example (2). Assume the facts in Example (1). Also assume that the plan uses the frozen initial liability funding method, that the unfunded liability as of January 1, 1976 (corresponding to a 40-year charge of $50,000 due at the beginning of the year) is $900,850, and that actual contributions at the rate of $1.75 per unit are paid at mid-year in 1976.

(A) COMPUTATION OF THE UNFUNDED LIABILITY AS OF DECEMBER 31, 1976

1. Unfunded liability as of 1/1/76	$900,850
2. Normal cost (that used in the calculation of the total annual computation charges)	100,000
3. Interest at 5% due on items 1 and 2	50,043
4. Contribution with interest: $1.75×80,000×1.025 (actual contribution rate times acutal base units times interest adjustment from mid-year)	143,500
5. Unfunded liability as of 12/31/76: item 1+item 2+item 3 − item 4	907,393

(B) COMPUTATION OF THE OUTSTANDING BALANCE OF THE BASES AS OF DECEMBER 31, 1976

1. Original base: ($900,850 − $50,000)×1.05	$893,393
2. Shortfall loss $30,000×1.05	31,500
3. Total	924,893

(C) COMPUTATION OF THE CREDIT BALANCE AS OF DECEMBER 31, 1976

1. Net shortfall charge (§ 1.412 (c) (1)–2 (b)) adjusted for interest: $120,000×1.05	$126,000
2. Actual contributions with interest	143,500
3. Credit balance as of 12/31/76: item 2 − item 1	17,500

(D) RECONCILIATION OF COMPUTATIONS

As of January 1, 1977, the unfunded liability ($907,393) equals the outstanding balance of the bases minus the credit balance ($924,893 − $17,500=$907,393).

(h) *Amortization of experience gain or loss*—(1) *General rule.* In the case of a plan using an immediate gain type of funding method, an experience gain or loss shall be amortized pursuant to section 412 (b)(2)(B)(iv) or (b)(3)(B)(ii). (Examples of the immediate gain type of funding method are the unit credit method, the entry age normal cost method, and the individual level premium cost method.) For purposes of this section, a shortfall gain or loss is not an experience gain or loss. The amount of the experience gain or loss must be adjusted for interest at the rate used for determining the plan's normal cost.

(2) *Experience amortization period under shortfall method*—(i) *First year.* The plan year in which the amortization of an experience gain or loss must begin in the case of a plan using the shortfall method is the earlier of two years: the fifth plan year following the plan year in which the experience gain or loss arose, or the first plan year beginning after the last scheduled expiration date of a contract in effect during the plan year in which the experience gain or loss arose. For purposes of this subparagraph a contract expiring on the last day of the plan year shall be deemed to be renewed on such last day for the same period of years as the contract that succeeds the expiring contract.

(ii) *Last year.* The plan year in which the amortization of an experience gain or loss must end in the case of a plan using the shortfall method is the 15th plan year following the plan year in which the experience gain or loss arose. For a multi-employer plan described in section 414 (f), the amortization must end with the 20th plan year instead of the 15th.

(3) *Use of annual computation charge in determining experience gain or loss.* In the case of a plan using an immediate gain type of funding method, an experience gain or loss is the difference between the expected unfunded liability and the actual unfunded liability under the plan. The expected unfunded liability as of the end of a plan year equals the actual unfunded liability as of the beginning of the year plus normal cost,

minus contributions, all adjusted for interest. If the plan adopts the shortfall method, the expected unfunded liability is computed by using the normal cost applicable for the plan year in determining the annual computation charge under paragraph (d) of this section. The same normal cost is used in computing the unfunded liability under the frozen initial liability funding method.

(4) *Example.* This paragraph is illustrated by the following example:

Example. Assume the facts in Example (2) from paragraph (g) (6) of this section, except that the entry age normal funding method is used. Also assume that as of December 31, 1976, the actual unfunded liability is $900,000.

(A) COMPUTATION OF EXPECTED UNFUNDED LIABILITY

1. Actual unfunded liability as of 1–1–76	$900,850
2. Normal cost portion of annual computation charge as of 1–1–76	100,000
3. Interest at 5% due on items 1 and 2	50,043
4. Contribution received with interest: $1.75 × 80,000 × 1.025 (actual contribution rate times actual base units times interest adjustment at mid-year)	143,500
5. Expected unfunded liability as of 12–31–76 (item 1 + item 2 + item 3 − item 4)	907,393

(B) COMPUTATION OF GAIN OR LOSS

1. Expected unfunded liability as of 12–31–76	$907,393
2. Actual unfunded liability as of 12–31–76	900,000
3. Gain (or loss) (item 1 − item 2)	7,393

(i) *Election procedure*—(1) *In general.* To elect the shortfall method, a collectively bargained plan must attach a statement to the annual report required under section 6058 (a) for the first plan year to which it is applied. The statement shall state that the shortfall method is adopted, beginning with the plan year covered by such report. Advance approval from the Internal Revenue Service is not required if the shortfall method is first adopted on or before the later of—

(i) The first plan year to which section 412 applies or

(ii) The last plan year commencing before December 31, 1981.

However, approval must be received pursuant to section 412(c)(5) prior to the adoption of the shortfall method at a later time, or the discontinuance of such method, once adopted.

(2) *Use of specific computation method.* A specific method of computation under the shortfall method is described in paragraph (b)(3) of this section, regarding the treatment of more than one contract, employer, or benefit level under the plan. This specific method may be adopted with respect to any plan year to which the shortfall method applies. Approval from the Commissioner must be received under section 412(c)(5) prior to the adoption of this specific computation method for a plan year subsequent to the first plan year to which the shortfall method applies, or prior to the discontinuance of a specific computation method, once adopted.

(3) *Reporting requirements.* Each annual report required by section 6058(a) and periodic report of the actuary required by section 6059 must include all additional information relevant to the use of the shortfall method as may be required by the applicable forms and the instructions for such forms.

(j) *Transitional rule.* In lieu of paragraphs (g)(2) and (h)(2) of this section relating to the amortization period for shortfall and experience gains and losses, for gains and losses arising in plan years beginning before January 1, 1981, a plan may rely on the prior published position of the Internal Revenue Service with respect to the amortization period for shortfall and experience gains and losses.

(k) *Supersession.* This section and §1.412 (c) (1)–1 supersede §§11.412 (c) (1)–1 and (c) (1)–2 of the Temporary Income Tax Regulations Under the Employee Retirement Income Security Act of 1974.

(Secs. 412, 7805, Internal Revenue Code of 1954 (88 Stat. 914 and 68A Stat. 917; (26 U.S.C. 412 and 7805)), and sec. 3 (31) of the Employee Retirement Income Security Act of 1974 (88 Stat. 837; (29 U.S.C. 1002)))

[T.D. 7733, 45 FR 75202, Nov. 14, 1980]

§ 1.412(c)(1)–3 Applying the minimum funding requirements to restored plans.

(a) *In general*—(1) *Restoration method.* The restoration method is a funding method that adapts the underlying funding method of section 412 in the case of certain plans that are or have been terminated and are later restored

by the Pension Benefit Guaranty Corporation (PBGC). The normal operation of the funding standard account, and all other provisions of section 412 and the regulations thereunder, are unchanged except as provided in this §1.412(c)(1)–3. Under the restoration method, the PBGC shall determine a restoration payment schedule, extending over no more than 30 years, that replaces all charges and credits to the funding standard account attributable to pre-restoration amortization bases. The restoration payment schedule is determined on the basis of an actuarial valuation of the accrued liability of the plan on the initial post-restoration valuation date less the actuarial value of the plan assets on that date. The initial post-restoration valuation date is the date of the valuation that falls in the first plan year beginning on or after the date of the restoration order.

(2) *Applicability of restoration method.* A plan must use the restoration method if, and only if—

(i) The plan is being or has been terminated pursuant to section 4041(c) or section 4042 of the Employee Retirement Income Security Act of 1974 (ERISA); and

(ii) The plan has been restored by the PBGC pursuant to its authority under section 4047 of ERISA.

(b) *Computation and effect of the initial restoration amortization base*—(1) *In general.* The initial restoration amortization base is determined under the underlying funding method used by the plan. When the plan uses a spread gain funding method that does not maintain an unfunded liability, the plan must change either to an immediate gain method that directly calculates an accrued liability or to a spread gain method that maintains an unfunded liability. A plan may adopt any cost method that satisfies this requirement and that is acceptable under section 412 and the regulations thereunder, provided that the plan administrator follows the procedures established by the Commissioner for changes in funding methods. The initial restoration amortization base is determined using the valuation for the plan year in which the initial post-restoration valuation date falls. The initial restoration amortization base equals the accrued liability with respect to plan benefit liabilities returned by the PBGC less the value of the plan assets returned by the PBGC. The initial restoration amortization base replaces all prior amortization bases including those under section 412(b)(2) (B), (C), and (D) and under section 412(b)(3)(B). Any base resulting from a change in funding method, including a change required under this paragraph, is treated as a prior amortization base within the meaning of this paragraph (b). Any accumulated funding deficiency or credit balance in the funding standard account is set equal to zero when the initial restoration amortization base is established.

(2) *Example.* The following example illustrates the provisions of this paragraph (b):

Example. A pension plan uses the calendar year as its plan year, makes its annual periodic valuation as of January 1, and uses the unit credit actuarial cost method for funding purposes. The plan is in the process of being terminated. By order of the PBGC the plan is restored as of July 1, 1991. The initial post-restoration valuation date is January 1, 1992, and a restoration payment schedule order is issued on October 31, 1992. If, as of January 1, 1992, the accrued liability of the plan is $1,000,000 and the value of the plan assets is $200,000, the initial restoration amortization base is $800,000.

(c) *Establishment of a restoration payment schedule*—(1) *Certification requirement.* When the PBGC establishes a restoration payment schedule, the Executive Director of the PBGC must certify to the PBGC's Board of Directors, and to the Internal Revenue Service, that the PBGC has reviewed the funding of the plan, the financial condition of the plan sponsor and its controlled group members, the payments required under the restoration payment schedule (taking into account the availability of deferrals authorized under paragraph (c)(4) of this section), and any other factor that the PBGC deems relevant, and, based on that review, determines that it is in the best interests of participants and beneficiaries of the plan and the pension insurance program that the restored plan not be reterminated.

(2) *Requirements for restoration payment schedule*—(i) *Amortization of base over period of no more than 30 years.* The restoration payment schedule must be

prescribed in an order requiring the employer to make stated contributions to the plan sufficient to amortize the initial restoration amortization base over a period extending not more than 30 years after the initial post-restoration valuation date (the restoration payment period). Payments included in the restoration payment schedule order are charged to the funding standard account of the plan at the end of each plan year in accordance with paragraph (d) of this section. The restoration payment schedule must provide for total charges that are sufficient to amortize the entire amount of the initial restoration amortization base by the end of the restoration payment period. The scheduled charges need not be in level amounts, but the present value of the prescribed charges on the initial post-restoration valuation date, computed with interest at the valuation rate, must equal the initial restoration amortization base.

(ii) *Minimum annual charge.* The restoration payment schedule must prescribe annual charges that are sufficient to prevent the outstanding balance of the initial restoration amortization base from exceeding whichever of the following amounts is applicable—

(A) During the first 10 plan years on the restoration payment schedule, the amount of the initial restoration amortization base on the date the base was established; or

(B) During plan years 11 through 20 on the restoration payment schedule, the maximum permitted outstanding balance of the initial restoration amortization base at the end of the tenth plan year, as calculated under paragraph (c)(2)(iii) of this section; or

(C) During plan years 21 through the end of the restoration payment schedule, the maximum permitted outstanding balance of the initial restoration amortization base at the end of the twentieth plan year, as calculated under paragraph (c)(2)(iii) of this section.

(iii) *Interim amortization requirements.* The restoration payment schedule must provide for sufficient periodic charges so that the outstanding balance of the initial restoration amortization base at the end of the tenth plan year and at the end of the twentieth plan year of the restoration payment period will not be larger than the outstanding balance that would have remained at the end of the tenth plan year and at the end of the twentieth plan year, respectively, if the initial restoration amortization base had been amortized in level annual amounts over the restoration payment period at the valuation rate.

(3) *Amendments to the restoration payment schedule.* The order establishing the restoration payment schedule may be amended by the PBGC from time to time with respect to any remaining payments, provided that no amendment may extend the restoration payment period beyond 30 years from the initial post-restoration valuation date, and provided further that the restoration payment schedule, as amended, satisfies the requirements of paragraph (c)(2) of this section.

(4) *Deferral of minimum scheduled annual payment amounts*—(i) *Authority to grant deferral.* Not later than 2½ months following the end of the plan year, the PBGC may grant a deferral of the charges required in the restoration payment schedule for that plan year if the requirements in paragraph (c)(4)(ii) of this section are satisfied. The PBGC may require the plan sponsor and its controlled group members to provide security to the plan as a condition to granting a deferral.

(ii) *Determination of business hardship.* Before granting a deferral under this paragraph (c)(4), the PBGC must make a determination that the granting of the deferral is in the best interests of plan participants and the plan termination insurance system, and that the plan sponsor and its controlled group members are unable to make the scheduled restoration payments without experiencing temporary substantial business hardship. In making these determinations, the factors the PBGC shall consider, include, but are not limited to, the following—

(A) Whether the plan sponsor and its controlled group members are operating at an economic loss;

(B) Whether there is substantial unemployment or underemployment in the trades or businesses of the plan

sponsor and its controlled group members;

(C) Whether the sales and profits of the industry or industries are depressed or declining; and

(D) Whether it is reasonable to expect that the plan termination insurance system will suffer a greater loss if the plan is terminated than if it is continued as a restored plan.

(iii) *Amount of deferral.* The amount of the deferral for any particular plan year may not exceed the lesser of the amount that would have been required to be contributed under the restoration payment schedule for that year or interest at the valuation rate on the outstanding balance of the initial restoration amortization base for that year. An amortization payment for a deferral granted for a prior plan year may not be deferred. No deferral may extend the overall restoration payment period beyond 30 years.

(iv) *Modification of payment schedule.* The restoration payment schedule must be adjusted to reflect any deferral granted for a plan year in the manner prescribed in this paragraph (c). The charge otherwise specified in the schedule is reduced by the amount of any deferral. The charges under the restoration payment schedule for the subsequent plan years are increased by the amounts in paragraph (c)(4)(v) of this section.

(v) *Amortization of deferred amount.* The amount of any deferral granted by the PBGC for any plan year must be amortized in level amounts over five years or such shorter period as may be prescribed by the PBGC, at the valuation rate, beginning with the plan year following the year of the deferral.

(vi) *Number of deferrals permitted.* The PBGC may not grant more than five deferrals of the minimum scheduled payments as required by this section during the restoration payment period and no more than three of these deferrals may be granted during the first ten years of that period.

(vii) *Deferrals override minimum annual charges and interim amortization requirements.* In determining the minimum annual charge under paragraph (c)(2)(ii) of this section and in applying the interim amortization requirements of paragraph (c)(2)(iii) of this section, the unamortized balances of any deferrals granted by the PBGC under this paragraph shall be added to the outstanding balance of the initial restoration amortization base otherwise allowable.

(d) *Charging the scheduled restoration payments to the funding standard account.* In addition to any other charges and credits prescribed in the normal operation of the funding standard account under section 412, the amount of each payment specified in the restoration payment schedule shall be charged against the funding standard account of the plan for the plan year to which that payment is attributed in the restoration payment schedule. To the extent that the restoration payment schedule provides for payments before the end of the plan year, the annual charge to the funding standard account attributable to the restoration payment schedule is equal to the sum of the periodic payments for the plan year accumulated with interest at the valuation rate to the last day of the plan year.

(e) *Changes in actuarial assumptions or methods.* The plan administrator must notify the PBGC of any changes in the actuarial assumptions or methods used by the plan. Upon notification of any such change, the PBGC may make any changes to the restoration payment schedule that it deems appropriate.

(f) *Change to restoration method.* A plan that has been restored must use the restoration method until the initial restoration amortization base has been fully amortized. The use of this method does not require prior approval from the Commissioner. A plan using the restoration method must compute the charges to the funding standard account to amortize the initial restoration amortization base in accordance with the order of the PBGC and in accordance with this section.

(g) *Deficit reduction contribution*—(1) *Calculation of deficit reduction contribution.* For any plan using the restoration method, the deficit reduction contribution under section 412(l)(2) is equal to the sum of—

(i) The unfunded section 412(l) restoration liability amount; plus

(ii) The unfunded new liability amount.

(2) *Unfunded section 412(l) restoration liability amount.* The unfunded section 412(l) restoration liability amount is the amount necessary to amortize fully the unfunded section 412(l) restoration liability in installments, as prescribed by the PBGC, over not more than 30 years. The annual amount need not be level, but at all times the present value of the future amortization charges prescribed under the restoration payment schedule, at the current liability interest rate, must equal the outstanding balance of the unfunded section 412(l) restoration liability and the schedule must provide that at the end of no more than 30 years the entire amount of the unfunded section 412(l) restoration liability base will have been fully amortized. The schedule prescribed for amortization of the unfunded section 412(l) restoration liability must comply with the requirements imposed in paragraph (c) of this section on the restoration payment schedule, except as provided in paragraph (g)(7) of this section and except that the maximum permitted outstanding balance of the unfunded section 412(l) restoration liability at the end of the tenth plan year must not be greater than the outstanding balance of the section 412(l) restoration liability that would have remained at the end of the tenth plan year if the unfunded section 412(l) restoration liability had been amortized in level amounts over the restoration payment period at the actual current liability interest rate for each year, increased by the current liability interest rate differential as defined under paragraph (g)(7) of this section. The unfunded section 412(l) restoration liability amount for the tenth plan year otherwise prescribed under the restoration payment schedule is increased by any outstanding current liability interest rate differential. By issuing an appropriate order, the PBGC may permit the outstanding current liability interest rate differential to be amortized over the tenth through the fourteenth plan years. If the PBGC permits the amortization of the outstanding current liability interest rate differential, then the unfunded section 412(l) restoration liability amount for each year to which an amortization payment is attributed under the order shall be increased by such payment. The outstanding balance otherwise required by paragraph (g)(2) of this section is increased by the outstanding balance, if any, of the base resulting from the amortization of the current liability interest rate differential. The PBGC may amend the amortization schedule for the unfunded section 412(l) restoration liability subject to the limits on amendments to the amortization schedule prescribed for the initial restoration amortization base.

(3) *Establishment of unfunded section 412(l) restoration liability.* In the plan year in which the initial post-restoration valuation date falls, the unfunded section 412(l) restoration liability is equal to the unfunded current liability of the plan.

(4) *Unfunded new liability amount.* In the case of a plan using the restoration method, the unfunded new liability amount is the applicable percentage, as defined in section 412(l)(4)(C), of the unfunded new liability determined under paragraph (g)(5) of this section.

(5) *Unfunded new liability.* The unfunded new liability of a plan using the restoration method is the excess, if any, of the unfunded current liability of the plan, within the meaning of section 412(l)(8)(A) for the plan year (determined without taking into account any unpredictable contingent event benefits, even if the event has occurred) over the outstanding balance of the unfunded section 412(l) restoration liability determined under paragraph (g)(3) of this section.

(6) *Offset of amortization charges.* The amounts charged to the funding standard account pursuant to the restoration payment schedule in order to amortize the initial restoration base, as described in paragraph (d) of this section, must be offset against the deficit reduction contribution in paragraph (g)(1) of this section along with any other applicable amounts provided in section 412(l)(1)(A)(ii).

(7) *Interest rate differential.* During the first 10 plan years after the initial post-restoration valuation date, the restoration payment schedule must prescribe an unfunded section 412(l) restoration liability amount for each plan year that is sufficient to prevent

the outstanding balance of the unfunded section 412(l) restoration liability from exceeding the initial amount of the unfunded section 412(l) restoration liability increased by the current liability interest rate differential. The current liability interest rate differential at any point during the first ten years of the restoration payment period is the excess, if any, of the outstanding balance of the unfunded section 412(l) restoration liability determined using the actual current liability interest rate for each year, taking into account the charges described in paragraph (d) of this section, over the outstanding balance of the unfunded section 412(l) restoration liability determined using the lowest, for each year, of the initial current liability interest rate, the current liability interest rate for the computation year, and the valuation interest rate, taking into account the charges described in paragraph (d) of this section.

(h) *Election of the alternative minimum funding standard.* A plan using the restoration method may not elect the alternative minimum funding standard under section 412(g).

(i) *Funding review by the PBGC.* The PBGC must review the funding of any plan using the restoration method at least once in each plan year. As a result of a funding review, the PBGC may amend the restoration payment schedule as provided in paragraph (c)(3) of this section. As part of the funding review, the Executive Director of the PBGC must certify to the PBGC's Board of Directors, and to the Internal Revenue Service, that the PBGC has reviewed the funding of the plan, the financial condition of the plan sponsor and its controlled group members, the payments required under the restoration payment schedule (taking into account the availability of deferrals authorized under paragraph (c)(4) of this section), and any other factor that the PBGC deems relevant, and, based on that review, determines that it is in the best interests of participants and beneficiaries of the plan and the pension insurance program that the restored plan not be reterminated.

[T.D. 8494, 58 FR 54491, Oct. 22, 1993]

§ 1.412(c)(1)–3T Applying the minimum funding requirements to restored plans (temporary).

(a) *In general*—(1) *Restoration method.* The restoration method is a funding method that adapts the underlying funding method of section 412 in the case of certain plans that are or have been terminated and are later restored by the Pension Benefit Guaranty Corporation. The normal operation of the funding standard account, and all other provisions of section 412 and the regulations thereunder, are unchanged except as provided in this §1.412(c)(1)–3T. Under the restoration method, the Pension Benefit Guaranty Corporation shall determine a restoration payment schedule, extending over no more than 30 years, that replaces all charges and credits to the funding standard account attributable to pre-restoration amortization bases. The restoration payment schedule is determined on the basis of an actuarial valuation of the accrued liability of the plan on the initial post-restoration valuation date less the actuarial value of the plan assets on that date. The initial post-restoration valuation date is the date of the first valuation that falls in the first plan year beginning on or after the later of October 23, 1990, or the date of the restoration order.

(2) *Applicability of restoration method.* A plan must use the restoration method if, and only if:

(i) The plan is being or has been terminated pursuant to section 4041(c) or section 4042 of the Employee Retirement Income Security Act of 1974 (ERISA), and

(ii) The plan has been restored by the Pension Benefit Guaranty Corporation pursuant to its authority under section 4047 of ERISA.

(b) *Computation and effect of the initial restoration amortization base*—(1) *In general.* The initial restoration amortization base is determined under the underlying funding method used by the plan. When the plan uses a spread gain funding method that does not maintain an unfunded liability, the plan must change either to an immediate gain method that directly calculates an accrued liability or to a spread gain method that maintains an unfunded liability. A plan may adopt any cost

method that satisfies this requirement and that is acceptable under section 412 and the regulations thereunder, provided that the plan follows the procedures established by the Commissioner for changes in funding methods. The initial restoration amortization base is determined using the valuation for the plan year in which the initial post-restoration valuation date falls. The initial restoration amortization base equals the accrued liability with respect to plan benefit liabilities returned by the Pension Benefit Guaranty Corporation less the value of the plan assets returned by the Pension Benefit Guaranty Corporation. The initial restoration amortization base replaces all prior amortization bases including those under subparagraphs (B), (C), and (D) of section 412(b)(2) and under subparagraph (B) of section 412(b)(3). Any base resulting from a change in funding method is treated as a prior amortization base within the meaning of this paragraph (b). Any accumulated funding deficiency or credit balance in the funding standard account is set equal to zero when the initial restoration amortization base is established.

(2) *Example.* A pension plan uses the calendar year as its plan year, makes its annual periodic valuation as of January 1, and uses the unit credit actuarial cost method for funding purposes. The plan is in the process of being terminated. By order of the Pension Benefit Guaranty Corporation the plan is restored as of July 1, 1991, and a restoration payment schedule order issued on October 31, 1992. The initial post-restoration valuation date is January l, 1993. If, as of that date, the accrued liability of the plan is $1,000,000 and the value of the plan assets is $200,000, the initial restoration amortization base is $800,000.

(c) *Establishment of a restoration payment schedule*—(1) *Certification requirement.* When the PBGC establishes a restoration payment schedule, the Executive Director of the PBGC must certify to the Corporation's Board of Directors, and to the Internal Revenue Service, that the Corporation has reviewed the funding of the plan, the financial condition of the plan sponsor and its controlled group members, the payments required under the restoration payment schedule (taking into account the availability of deferrals authorized under paragraph (c)(4) of this section), and any other factor that the Corporation deems relevant, and, based on that review, determines that it is in the best interests of participants and beneficiaries of the plan and the pension insurance program that the restored plan not be reterminated.

(2) *Requirements for restoration payment schedule*—(i) *Amortization of base over period of no more than 30 years.* The restoration payment schedule must be prescribed in an order requiring the employer to make stated contributions to the plan sufficient to amortize the initial restoration amortization base over a period extending not more than 30 years after the initial post-restoration valuation date (the restoration payment period). The restoration payment schedule must be sufficient to amortize the entire amount of the initial restoration amortization base by the end of the restoration payment period. The scheduled charges need not be in level amounts, but the present value of the prescribed charges on the initial post-restoration valuation date, computed with interest at the valuation rate, must equal the initial restoration amortization base.

(ii) *Minimum annual charge.* The restoration payment schedule must require annual charges that are sufficient to prevent the outstanding balance of the initial restoration amortization base from exceeding whichever of the following amounts is applicable:

(A) During the first 10 plan years on the restoration payment schedule, the amount of the initial restoration amortization base on the date the base was established, or

(B) During plan years 11 through 20 on the restoration payment schedule, the maximum permitted outstanding balance of the initial restoration amortization base at the end of the tenth plan year, as calculated under paragraph (c)(2)(iii) below, or

(C) During plan years 21 through the end of the restoration payment schedule, the maximum permitted outstanding balance of the initial restoration amortization base at the end of

the twentieth plan year, as calculated under paragraph (c)(2)(iii) below.

(iii) *Interim amortization requirements.* The restoration payment schedule must provide for sufficient periodic charges so that the outstanding balance of the initial restoration amortization base at the end of the tenth plan year and at the end of the twentieth plan year of the restoration payment period will not be larger than the outstanding balance that would have remained at the end of the tenth plan year and at the end of the twentieth plan year, respectively, if the initial restoration amortization base had been amortized in level amounts over the restoration payment period at the valuation rate.

(3) *Amendments to the restoration payment schedule.* The order establishing the restoration payment schedule may be amended by the Pension Benefit Guaranty Corporation from time to time with respect to any remaining payments, provided that no amendment may extend the restoration payment period beyond 30 years from the initial post-restoration valuation date, and provided further that the restoration payment schedule, as amended, satisfies the requirements of paragraph (c)(2) of this section.

(4) *Deferral of minimum scheduled annual payment amounts*—(i) *Authority to grant deferral.* Not later than 2½ months following the end of the plan year, the Pension Benefit Guaranty Corporation may grant a deferral of the charges required in the restoration payment schedule for that plan year if the requirements in paragraph (c)(4)(ii) of this section are satisfied. The Pension Benefit Guaranty Corporation may require the plan sponsor and its controlled group members to provide security to the plan as a condition to granting a deferral.

(ii) *Determination of business hardship.* Before granting a deferral under this paragraph (c)(4), the Pension Benefit Guaranty Corporation must make a determination that the granting of the deferral is in the best interests of plan participants and the plan termination insurance system, and that the plan sponsor and its controlled group members are unable to make the scheduled restoration payments without experiencing temporary substantial business hardship. In making these determinations, the factors the Pension Benefit Guaranty Corporation shall consider, include, but are not limited to, the following:

(A) Whether the plan sponsor and its controlled group members are operating at an economic loss,

(B) Whether there is substantial unemployment or underemployment in the trades or businesses of the plan sponsor and its controlled group members,

(C) Whether the sales and profits of the industry or industries are depressed or declining, and

(D) Whether it is reasonable to expect that the plan termination insurance system will suffer a greater loss if the plan is terminated than if it is continued as a restored plan.

(iii) *Amount of deferral.* The amount of the deferral for any particular plan year may not exceed the lesser of the amount that would have been required to be contributed under the restoration payment schedule for that year or interest on the outstanding balance of the initial restoration amortization base for that year. An amortization payment for a deferral granted for a prior plan year may not be deferred. No deferral may extend the overall restoration payment period beyond 30 years.

(iv) *Modification of payment schedule.* The restoration payment schedule must be adjusted to reflect any deferral granted for a plan year in the manner prescribed in this paragraph (c). The charge otherwise specified in the schedule is reduced by the amount of any deferral. The charges under the restoration payment schedule for the subsequent plan years are increased by the amounts in paragraph (c)(4)(v) of this section.

(v) *Amortization of deferred amount.* The amount of any deferral granted by the Pension Benefit Guaranty Corporation for any plan year must be amortized in level amounts over five years or such shorter period as may be prescribed by the Pension Benefit Guaranty Corporation, at the valuation rate, beginning with the plan year following the year of the deferral.

(vi) *Number of deferrals permitted.* The Pension Benefit Guaranty Corporation may not grant more than five deferrals of the minimum scheduled payments as required by this section during the restoration payment period and no more than three of these deferrals may be granted during the first ten years of that period.

(d) *Charging the scheduled restoration charges to the funding standard account.* In addition to any other charges and credits prescribed in the normal operation of the funding standard account under section 412, the amount of each charge specified in the restoration payment schedule shall be charged against the funding standard account of the plan for the plan year to which that payment is attributed in the restoration payment schedule.

(e) *Changes in actuarial assumptions.* If changes in actuarial assumptions increase or decrease the charges that would be required to amortize the outstanding balance of the initial restoration amortization base over the remaining years of the restoration payment schedule, the plan must notify the Pension Benefit Guaranty Corporation of the changes so that it may make appropriate changes to the restoration payment schedule.

(f) *Change to restoration method.* A plan that has been restored must use the restoration method until the initial restoration amortization base has been fully amortized. The use of this method does not require prior approval from the Commissioner. A plan using the restoration method must compute the charges and credits to the initial restoration amortization base in accordance with the order of the Pension Benefit Guaranty Corporation and in accordance with this section.

(g) *Deficit reduction contribution*—(1) *Calculation of deficit reduction contribution.* For any plan using the restoration method, the deficit reduction contribution under section 412(l)(2) is equal to the sum of—

(i) The unfunded section 412(l) restoration liability amount, plus

(ii) The unfunded new liability amount.

(2) *Unfunded section 412(l) restoration liability amount.* The unfunded section 412(l) restoration liability amount is the amount necessary to amortize fully the unfunded section 412(l) restoration liability in installments, as prescribed by the Pension Benefit Guaranty Corporation, over not more than 30 years. The annual amount need not be level, but at all times the present value of the future amortization charges under the restoration payment schedule, at the current liability interest rate, must equal the outstanding balance of the unfunded section 412(l) restoration liability and the schedule must provide that at the end of no more than 30 years the entire amount of the unfunded section 412(l) restoration liability base will have been fully amortized. The schedule prescribed for amortization of the unfunded section 412(l) restoration liability must comply with the requirements imposed in paragraph (c) of this section on the restoration payment schedule, except as provided in paragraph (g)(7) of this section and except that the maximum permitted outstanding balance of the unfunded section 412(l) restoration liability at the end of the tenth plan year must not be greater than the outstanding balance of the section 412(l) restoration liability that would have remained at the end of the tenth plan year if the unfunded section 412(l) restoration liability had been amortized in level amounts over the restoration payment period at the current liability interest rate, increased by the current liability interest rate differential as defined under paragraph (g)(7) of this section. The Pension Benefit Guaranty Corporation may amend the amortization schedule for the unfunded section 412(l) restoration liability subject to the limits on amendments to the amortization schedule prescribed for the initial restoration amortization base.

(3) *Establishment of unfunded section 412(l) restoration liability.* In the plan year in which the initial post-restoration valuation date falls, the unfunded section 412(l) restoration liability is equal to the unfunded current liability of the plan.

(4) *Unfunded new liability amount.* In the case of a plan using the restoration method, the unfunded new liability amount is the applicable percentage, as

defined in section 412(l)(4)(C), of the unfunded new liability determined under paragraph (g)(5) of this section.

(5) *Unfunded new liability.* The unfunded new liability of a plan using the restoration method is the unfunded current liability of the plan for the plan year less the outstanding balance of the unfunded section 412(l) restoration liability determined under paragraph (g)(3) of this section and less any unpredictable contingent event benefit liabilities (without regard to whether or not the event has occurred).

(6) *Offset of amortization charges.* The charges specified in the restoration payment schedule to amortize the initial restoration amortization base, must be offset against the deficit reduction contribution in paragraph (g)(1) of this section along with any other applicable amounts provided in section 412 (l)(1)(A)(ii).

(7) *Interest rate differential.* During the first 10 plan years after the initial post-restoration valuation date, the unfunded section 412(l) restoration liability amount for the plan as determined for purposes of this section must be sufficient to prevent the outstanding balance of the unfunded section 412(l) restoration liability from exceeding the initial amount of the unfunded section 412(l) restoration liability increased by the current liability interest rate differential. The current liability interest rate differential at any point during the first ten years of the restoration payment period is the excess if any of the accumulated interest on the unfunded section 412(l) restoration liability computed at the current liability interest rate over the accumulated interest on the unfunded section 412(l) restoration liability computed at the least of the valuation rate, the current liability interest rate and current liability interest rate for the plan year in which the initial post restoration valuation date falls. The current liability interest rate differential is charged to the funding standard account at the end of the tenth plan year, but the Pension Benefit Guaranty Corporation may, as part of the restoration payment schedule order, or a modification to that order, direct that the charging of this amount must be spread over not more than 5 years, beginning with the eleventh plan year.

(h) *Election of the alternative minimum funding standard.* A plan using the restoration method may not elect the alternative minimum funding standard under section 412(g).

(i) *Funding review by the Pension Benefit Guaranty Corporation.* The Pension Benefit Guaranty Corporation must review the funding of any plan using the restoration method at least once in each plan year. As a result of a funding review, the Pension Benefit Guaranty Corporation may amend the restoration payment schedule as provided in paragraph (c)(3) of this section. As part of the funding review, the Executive Director of the PBGC must certify to the Corporation's Board of Directors, and to the Internal Revenue Service, that the Corporation has reviewed the funding of the plan, the financial condition of the plan sponsor and its controlled group members, the payments required under the restoration payment schedule (taking into account the availability of deferrals authorized under paragraph (c)(4) of this section), and any other factor that the Corporation deems relevant, and, based on that review, determines that it is in the best interests of participants and beneficiaries of the plan and the pension insurance program that the restored plan not be reterminated.

[T.D. 8317, 55 FR 42707, Oct. 23, 1990; 56 FR 19038, Apr. 25, 1991]

§ 1.412(c)(2)–1 Valuation of plan assets; reasonable actuarial valuation methods.

(a) *Introduction*—(1) *In general.* This section prescribes rules for valuing plan assets under an actuarial valuation method which satisfies the requirements of section 412(c)(2)(A). An actuarial valuation method is a funding method within the meaning of section 412(c)(3) and the regulations thereunder. Therefore, certain changes affecting the actuarial valuation method are identified in this section as changes in a plan's funding method.

(2) *Exception for certain bonds, etc.* The rules of this section do not apply to bonds or other evidences of indebtedness for which the election described in section 412(c)(2)(B) has been made, nor

are such assets counted in applying paragraphs (b) or (c) of this section. Also, an election under section 412(c)(2)(B) is not a change in funding method within the meaning of section 412(c)(5).

(3) *Money purchase pension plan.* A money purchase pension plan must value assets for the purpose of satisfying the requirements of section 412(c)(2)(A) solely on the basis of their fair market value (under paragraph (c) of this section).

(4) *Defined benefit plans.* (i) To satisfy the requirements of section 412(c)(2)(A), an actuarial method valuing assets of a defined benefit plan must meet the requirements of paragraph (b) of this section.

(ii) In general, the purpose of paragraph (b) of this section is to permit use of reasonble actuarial valuation methods designed to mitigate short-run changes in the fair market value of plan assets. The funding of plan benefits and the charges and credits to the funding standard account required by section 412 are generally based upon the assumption that the defined benefit plan will be continued by the employer. Thus, short-run changes in the value of plan assets presumably will offset one another in the long term. Accordingly, in the determination of the amount required to be contributed under section 412 it is generally not necessary to recognize fully each change in fair market value of the assets in the period in which it occurs.

(iii) The asset valuation rules contained in paragraph (b) produce a ''smoothing'' effect. Thus, investment performance, including appreciation or depreciation in the market value of the assets occurring in each plan year, may be recognized gradually over several plan years. This ''smoothing'' is in addition to the ''smoothing'' effect which results, for example, from amortizing experience losses and gains over 15 or 20 years under section 412(b)(2 (B)(iv) and (3)(B)(ii).

(b) *Asset valuation method requirements*—(1) *Consistent basis.* (i) The actuarial asset valuation method must be applied on a consistent basis. Any change in meeting the requirements of this paragraph (b) is a change in funding method subject to section 412(c)(5).

(ii) A method may satisfy the consistency requirement even though computations are based only on the period elapsed since the adoption of the method or on asset values occurring during that period.

(2) *Statement of plan's method.* The method of determining the actuarial value (but not fair market value) of the assets must be specified in the plan's actuarial report (required under section 6059). The method must be described in sufficient detail so that another actuary employing the method described would arrive at a reasonably similar result. Whether a deviation from the stated actuarial valuation method is a change in funding method is to be determined in accordance with section 412(c)(5) and the regulations thereunder. A deviation to include a type of asset not previously held by the plan would not be a change in funding method.

(3) *Consistent valuation dates.* The same day or days (such as the first or the last day of a plan year) must be used for all purposes to value the plan's assests for each plan year, or portion of plan year, for which a valuation is made. For purposes of this section, each such day is a valuation date. A change in the day or days used is a change in funding method.

(4) *Reflect fair market value.* The valuation method must take into account fair market value by making use of the—

(i) Fair market value (determined under paragraph (c) of this section), or

(ii) Average value (determined under paragraph (b)(7) of this section) of the plan's assets as of the applicable asset valuation date. This is done either directly in the computation of their actuarial value or indirectly in the computation of upper or lower limits placed on that value.

(5) *Results above and below fair market or average value.* A method will not satisfy the requirements of this paragraph (b) if it is designed to produce a result which will be consistently above or below the values described in paragraph (b)(4) (i) and (ii). However, a method designed to produce a result which consistently falls between fair market value and average value will satisfy this requirement. See Example

(5) in paragraph (b)(9) of this section for an illustration of a method described in the preceding sentence.

(6) *Corridor limits.* (i) Regardless of how the method reflects fair market value under paragraph (b)(4), the method must result in an actuarial value of the plan's assets which is not less than a minimum amount and not more than a maximum amount. The minimum amount is the lesser of 80 percent of the current fair market value of plan assets as of the applicable asset valuation date or 85 percent of the average value (as described in subparagraph (7)) of plan assets as of that date. The maximum amount is the greater of 120 percent of the current fair market value of plan assets as of the applicable asset valuation date or 115 percent of the average value of plan assets as of that date.

(ii) Under a plan's method, a preliminary computation of the expected actuarial value may fall outside the prescribed corridor. A method meets the requirements of paragraph (b)(6)(i) of this section is such a case only by adjusting the expected actuarial value to the nearest corridor limit applicable under the method. A plan may use an actuarial valuation method with a narrower corridor than the general corridor required under paragraph (b)(6)(i). The adjustment to the nearest corridor limit of such a method for purposes of this subdivision (ii) would be determined by the narrower corridor stated in the description of the plan's method.

(7) *Average value.* the average value of plan assets is computed by—

(i) Determining the fair market value of plan assets at least annually,

(ii) Adding the current fair market value of the assets (as of the applicable valuation date) and their adjusted values (as described in paragraph (b)(8) of this section) for a stated period not to exceed the five most recent plan years (including the current year), and

(iii) Dividing this sum by the number of values (including the current fair market value) considered in computing the sum described in subdivision (ii).

(8) *Adjusted value.* (i) the adjusted value of plan assets for a prior valuation date is their fair market value on that date with certain positive and negative adjustments. These adjustments reflect changes that occur between the prior asset valuation date and the current valuation date. However, no adjustment is made for increases or decreases in the total value of plan assets that result from the purchase, sale, or exchange of plan assets or from the receipt of payment on a debt obligation held by the plan.

(ii) In determining the adjusted value of plan assets for a prior valuation date, there is added to the fair market value of the plan assets of that date the sum of all additions to the plan assets since that date, excluding appreciation in the fair market value of the assets. The additions would include, for example, any contribution to the plan; any interest or dividend paid to the plan; and any asset not taken into account in a prior valuation of assets, but taken into account for the current year, in computing the fair market value of plan assets under paragraph (c) of this section.

(iii) In determining the adjusted value of plan assets for a prior valuation date, there is subtracted from the fair market value of the plan assets on that date the sum of all reductions in plan assets since that date, excluding depreciation in the fair market value of the assets. The reductions would include, for example, any benefit paid from plan assets; any expense paid from plan assets; and any asset taken into account in a prior valuation of assets but not taken into account for the current year, in computing the fair market value of plan assets under paragraph (c) of this section.

(9) *Examples.* This paragraph (b) may be illustrated by the following examples. In each example, assume that the pension plan uses a consistent actuarial method of valuing its assets within the meaning of paragraph (b)(1), (2), and (3) of this section.

Example (1). Plan A considers the value of its assets to be initial cost, increased by an assumed rate of growth of X percent annually. Under the circumstances, the X-percent factor used by the plan is a reasonable assumption. Thus, this method is not designed to produce results consistently above or below fair market value as prohibited by paragraph (b)(5) of this section. Also, the method requires that the actuarial value be adjusted as required to fall within the corridor under paragraph (b) (6) and (7) of this